

# INTERNATIONAL SEARCH REPORT

Int      nal Application No  
PCT/NL 03/00934

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7      H04Q7/30

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7      H04Q      H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 134 229 A (COONS DAVID D ET AL) 17 October 2000 (2000-10-17) column 2, line 36 - column 3, line 31 column 6, line 16 - column 7, line 11	1-18
X	US 2003/026237 A1 (KURDAHI FADI JOSEPH ET AL) 6 February 2003 (2003-02-06) paragraph '0017! - paragraph '0019!	1-18
X	US 5 159 596 A (ITOH SADA0) 27 October 1992 (1992-10-27) column 8, line 8 - line 54; figure 1c	1-18
A	EP 1 220 108 A (CYPRESS SEMICONDUCTOR CORP) 3 July 2002 (2002-07-03) paragraph '0085! paragraph '0089! - paragraph '0090! ----- -/--	1, 16, 17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

4 November 2004

Date of mailing of the international search report

10/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Janyszek, J-M

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL 03/00934

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/28754 A (PALERMO KEITH CHARLES ; SHARRIT JOHN PAUL (US); CAMPINI EDOARDO (US);) 18 May 2000 (2000-05-18) page 2, line 15 - line 28 page 8, line 23 - page 9, line 30 -----	1,16,17
A	WO 01/56235 A (ERICSSON TELEFON AB L M) 2 August 2001 (2001-08-02) cited in the application abstract; figure 3 -----	1,16,17

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL 03/00934

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6134229	A	17-10-2000	AU 7681596 A WO 9722220 A2	03-07-1997 19-06-1997
US 2003026237	A1	06-02-2003	EP 1415489 A1 WO 03015432 A1	06-05-2004 20-02-2003
US 5159596	A	27-10-1992	JP 3029430 A	07-02-1991
EP 1220108	A	03-07-2002	US 6724220 B1 US 2002108006 A1 EP 1220107 A2 EP 1202184 A2 EP 1220108 A2 TW 576980 B TW 567503 B TW 533359 B US 6614320 B1 US 6765407 B1 US 6563391 B1 US 6507214 B1 US 6603330 B1 US 6542025 B1 US 6525593 B1 US 6798299 B1 US 6608472 B1 US 6611220 B1	20-04-2004 08-08-2002 03-07-2002 02-05-2002 03-07-2002 21-02-2004 21-12-2003 21-05-2003 02-09-2003 20-07-2004 13-05-2003 14-01-2003 05-08-2003 01-04-2003 25-02-2003 28-09-2004 19-08-2003 26-08-2003
WO 0028754	A	18-05-2000	AU 1338200 A EP 1044577 A1 PL 341386 A1 WO 0028754 A1	29-05-2000 18-10-2000 09-04-2001 18-05-2000
WO 0156235	A	02-08-2001	US 2001033561 A1 AU 2901501 A EP 1250781 A1 WO 0156235 A1	25-10-2001 07-08-2001 23-10-2002 02-08-2001